

Cicoshield®WB

Water Based Bitumen Emulsion Protective Coating

DESCRIPTION

Cicoshield®WB is a one component water based high solid content bitumen emulsion that when applied, obtains a damp proof protective coating. It creates a continuous barrier to the passage of water and water vapor. It dries quickly and acts as a protective and curing material for all cementitious substrates, masonry, and brick walls. Cicoshield®WB can be used as a primer and adhesive for a wide range of torch applied bituminous membranes, and under cladding works for facades. Cicoshield®WB can be used as a curing compound for underground concrete (like foundations) if coated just after the final set of the concrete takes place, and thus Cicoshield®WB gives a free cost save for the project.

USES

- Waterproofing for foundations and all underground works.
- Waterproofing for wet areas like balconies, terraces, toilets, and kitchens.
- As a primer for all reinforced bituminous membrane isolation systems.
- External waterproofing for concrete pipes.
- As a curing agent for underground concrete.
- For all cladding works under marble and metal sections finishing.

ADVANTAGES

- Good adhesion to most construction substrates.
- Non-Flammable.
- Can be applied over green concrete and damp surfaces.
- Asbestos free
- Easy to apply, one component.
- Fast drying.
- Safe, as it is water based.

- Economical, especially if used as a curing and damp proof agent at a time.
- Resists chloride ion and sulfates attack

STANDARD COMPLIANCE

ASTM D4479, ASTM D1227, and ASTM C309 Water retention requirement as a curing compound

PACKAGING

20 liter pail & 200 liter drums.

SHELF LIFE & STORAGE

12 months storage life if stored in its original unopened containers under a dry and shaded place in a temperature from 5°C to 55°C.

TECHNICAL PROPERTIES

Form	Dark Brown Liquid
Drying film color	Black
Density @ 25°C	0.96±0.02 kg/ltr
Asphalt content [ASTM D4479]	≥30%
Drying time @ 25°C	60±5 min.
Overcoating time @ 25°C	6 hr.±15 min.
Coverage	4-5 m ² /Kg

The DFT thickness is 80 micron@4m²/kg. However, this thickness is theoretical due to the high expected absorption in concrete.

APPLICATION INSTRUCTIONS

Surface Preparation

The surface to be treated must be sound, clean, and free from contamination such as oil and grease. Cicosurface®Degreaser can be used to remove oil and grease from the substrate.

Application

Cicoshield®WB should be stirred well before use. Apply evenly with a brush or roller. Two coats are recommended (in case a high build layer is required, more coats should be applied). Cicoshield®WB can be applied on damp and green concrete.

CLEANING

Cicoshield®WB can be removed from tools and equipment with water as long as it is wet. Dry film can be removed by using Cicosolvent® or other proper hand tools.

PRECAUTIONS

Health And Safety

Cicoshield®WB is non-hazardous. It should not be swallowed or allowed to come into direct contact with skin or eyes. Suitable protective goggles and gloves should be worn. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

TECHNICAL SUPPORT

CIC provides on-site assistance, as well as consulting services on projects when requested. Technical data sheets on other CIC products and guidance on their use are available on request.



Warranty

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